



# **New Range Rover Sport (L494) Vehicle Handling Guide**

## **Supplement to the JLR Transport Quality Manual (TQM)**

# L494 Handling Guide

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# Section 1 – Vehicle Handover

## Carrier / Dealer Handover Checks



The following Quality checks are required at vehicle handover...

- Check vin on Manifest, D42 Label (on windscreen) and VIN Plate matches
- Inspect vehicle and Check for damage (as per TQM chapter 7 & 8)
- Check vehicle protection is in place (see pages 10-12)
- Check key stowage (x 2 Key fobs in Drivers' door pocket)
- Check wing mirrors are folded inboard
- Check windows and sunroof are closed

# Section 2

## Personal Protection Equipment (PPE) Checks



### **Check Correct 'Car Friendly' Personal Protection Equipment is worn**

- Personnel must wear clean working clothes at all times (no oil/grease stains)
- No buttons, exposed zips or belt buckles
- Wearing safety boots or shoes closed around the foot is obligatory. The shoes/boots must prevent from slipping
- Rings and other jewellery are not permitted, unless properly covered
- Do not carry in pockets sharp objects (pens, tools, etc...) that could accidentally damage the vehicles
- Working gloves must be worn when working on the truck, the wagon, the ship or the compound. However, they must be removed before entering the vehicle
- Wearing high visibility jackets or clothes with high visibility elements is compulsory in compounds. The use of safety helmets is subject to local laws, regulations or guidelines
- If safety helmets are used for operations, they must be removed before entering the vehicle.

## SINGLE POINT LESSON

**Topic:** Car User-Friendly Personal Protective Equipment (PPE)  
**Who To:** All contractors who handle JLR product Globally  
**Summary:** TQM (Transport Quality Manual) PPE Compliance for all JLR Outbound Distribution Contracted Personnel

Hi-Visibility, clean outerwear  
Car-friendly i.e no exposed  
buttons, zips or fastenings

No protruding,  
or sharp objects

Hi-Visibility  
trousers, or suitable  
workwear



Watches, rings etc  
must be covered if  
not removed

Belt buckle must be  
covered

Suitable workwear  
No denim jeans /  
trousers with  
exposed rivets, zips  
etc

Safety boots /  
shoes

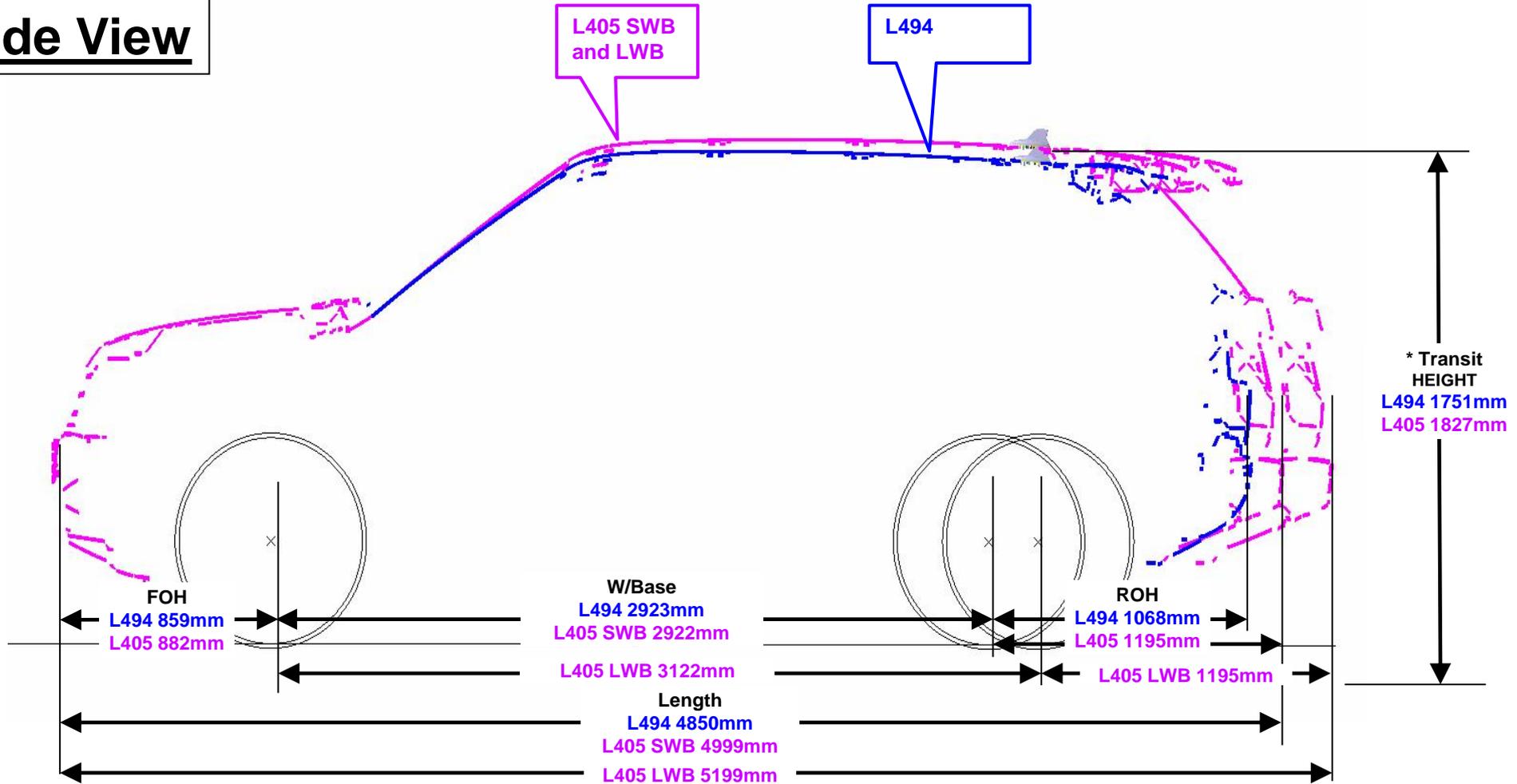
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# Section 3 Planning Specifications



## Range Rover (PLA 494/405 Overlay) Dimensions

### Side View



Data Owner: Chris Mcloughlin

Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

\* Antenna on PLA 494 Height Increases by +21mm

# Section 3 Planning Specifications

## Range Rover (PLA 494/405 Overlay) Dimension



### Rear View



**REAR Max vehicle Width (to outer Folded Mirrors ) = 2073mm**

# Section 3 Planning Specifications

## L494 Weights and Dimensions



### L494

	Length	Width ( Mirrors Folded)	Track (Max)		Height	Foot Print	Cube	Weight	Approach Angle	Departure Angle
			Front	Rear						
3.0L TDV6 Diesel	4850	2073	1690	1685	1751	10.05	17.60	2115	26	26
3.0L V6 Petrol	4850	2073	1690	1685	1751	10.05	17.60	2144	26	26
3.0L V6 Supercharged	4850	2073	1690	1685	1751	10.05	17.60	2144	26	26
4.4L SDV8 Diesel	4850	2073	1690	1685	1751	10.05	17.60	2310	26	26
5.0L V8 Petrol S/C	4850	2073	1690	1685	1751	10.05	17.60	2310	26	26

*\* Antenna on PLA 494 Height Increases by +21mm*

**Comparison to L320 (Outgoing Range Rover Sport):**

L494 is 67mm longer; 90mm wider; 11mm shorter than L320, the previous Range Rover Sport (vehicles in transit mode with mirrors folded inboard)

**Data Owner: Chris Mcloughlin**

Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

# Section 3 Planning Specifications

## Range Rover Powertrain Line Up



Engine All Wheel Drive (4x4)	Automatic Gear Box
3.0L V6 Entry Level Model	8 SPEED AUTO (ZF Gear Box) 1 Speed Transfer Box – load as Evoque/Freelander
3.0L TDV6 (intelligent stop/start available)	8 SPEED AUTO (ZF Gear Box) 2 Speed Transfer Box
4.4L TDV8	8 SPEED AUTO (ZF Gear Box) 2 Speed Transfer Box
4.4L SDV8	8 SPEED AUTO (ZF Gear Box) 2 Speed Transfer Box
3.0L PETROL V6	8 SPEED AUTO (ZF Gear Box) 2 Speed Transfer Box
5.0L PETROL SUPERCHARGED V8	5.0L PETROL SUPERCHARGED V8

Data Owner: Chris Mcloughlin

Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

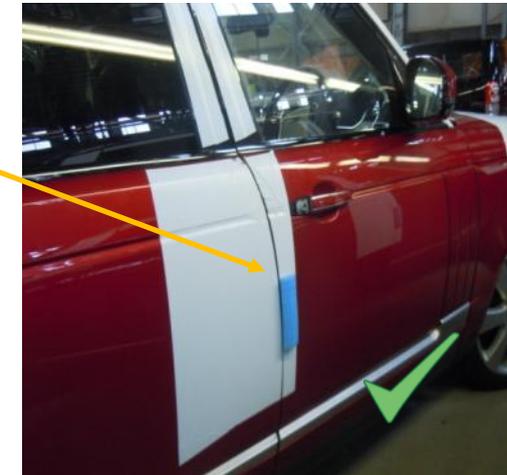
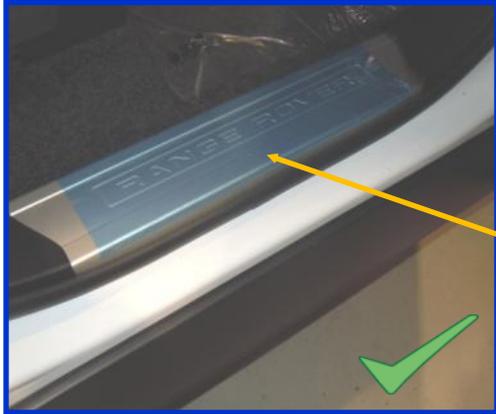
# Section 4

## Vehicle Protection Checks



**Check** vehicle has ALL protection in place at inspection / handover / collection once vehicle has been inspected for any damage.:

- Centre Console
- Tread plate protection
- Sill protection
- Drivers door protection Interior
- Drivers door protection Exterior
- Steering wheel protection
- Carpet protection
- Driver's seat protection



**Data Owner: Chris Mcloughlin**

Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

# Section 4

## Vehicle Protection Checks



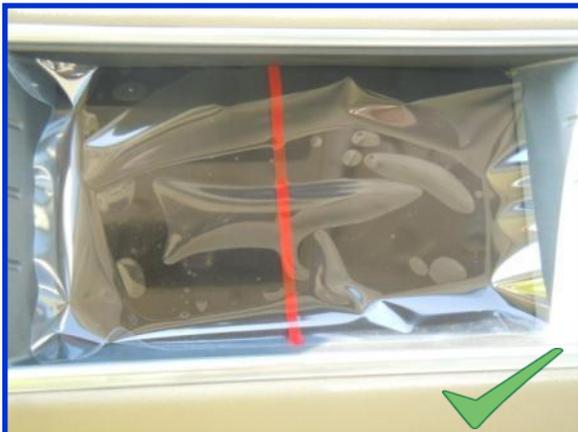
Key Stowage (2 keys bound together with short VIN)



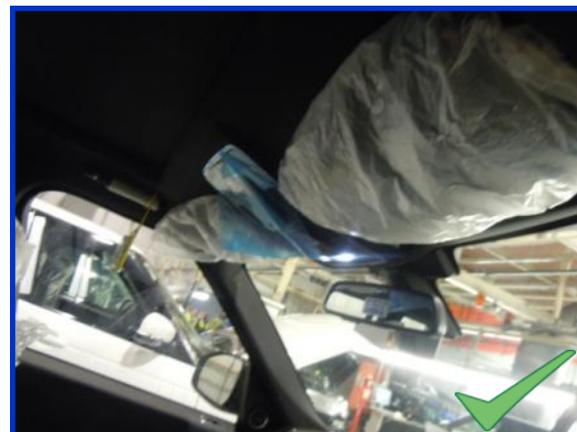
Keys stowed in drivers' door pocket



Cubby Box Lid



Sat Nav Protection



Drivers Sun Visor



Gear Selector

Data Owner: Chris McLaughlin

Record Type:

Issue Date:

JLR-RMP It

# Section 4 Vehicle Protection Checks



## Full Body Covers (In Storage & Transit)



**If a vehicle is fitted with a full body cover please check::**

- Drivers door is rolled up and securely fastened whilst loading to vehicle



- Ensure that the drivers door is fully zipped up once loaded in location on transporter after getting out of vehicle.

Data Owner: Chris Mcloughlin

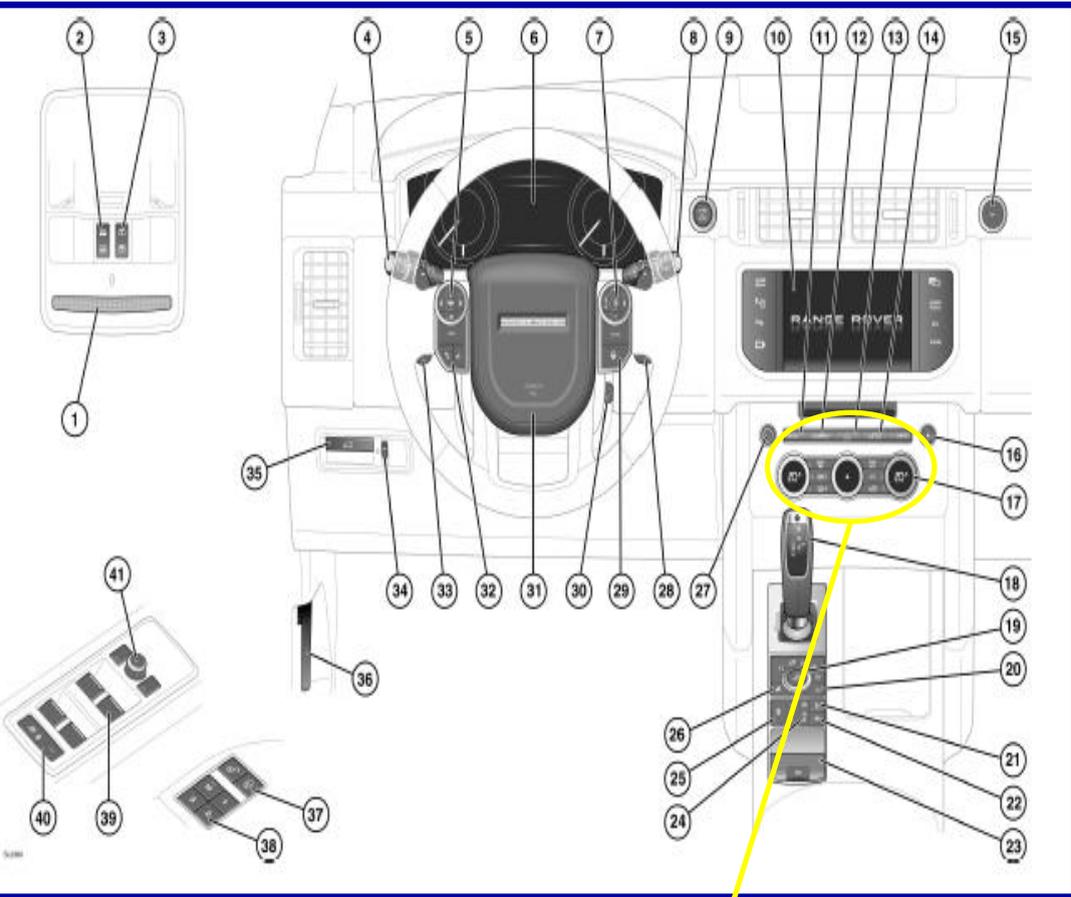
Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

# Section 5 Driver Controls

## Dashboard Overview



**See Page 15 For Front  
and Rear Screen Defrost**

### DRIVER CONTROLS

1. Front interior lamps
2. Panoramic roof
3. Roof blind
4. Lighting / direction indicator / trip computer
5. Message centre control
6. Instrument panel, warning lamps and message centre
7. Cruise control / adaptive cruise control
8. Wiper / washer controls
9. Engine START / STOP
10. Touch screen
11. Front climate control
12. Climate control menu
13. Hazard warning lamps
14. Front heated / climate seat menu
15. Glovebox release
16. CD eject
17. Climate control
18. Gear selector
19. Terrain response
20. Low range transmission
21. Automatic Speed Limiter (ASL)
22. Intelligent stop / start
23. Electric parking brake
24. Air suspension control
25. Dynamic Stability Control (DSC) off
26. Hill Descent Control (HDC)
27. Audio on / off and volume
28. Paddle shift up
29. Heated steering wheel
30. Steering column adjuster
31. Horn
32. Telephone and voice recognition
33. Paddle shift down
34. Interior illumination control
35. Tailgate release (manual), open / close (powered)
36. Bonnet release lever
37. Central locking switches
38. Driving position memory
39. Window controls
40. Rear windows isolation and child door locks
41. Mirror adjuster / power fold mirror

Data Owner: Chris Mcloughlin

Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

### Starting Procedure in Transit Mode

1. Press hazard switch.

Once the hazard switch has been pressed the main battery is active for approx. 20 seconds. During this time the vehicle can be started as follows:

2 Depress footbrake

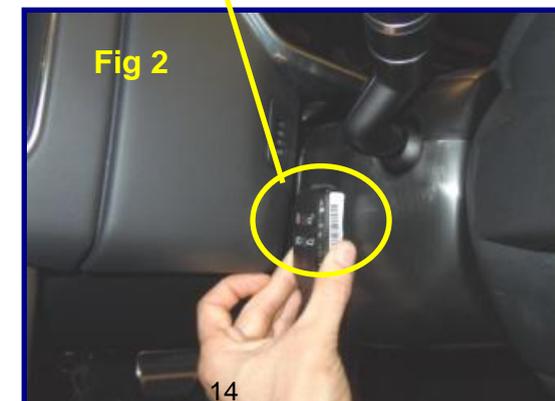
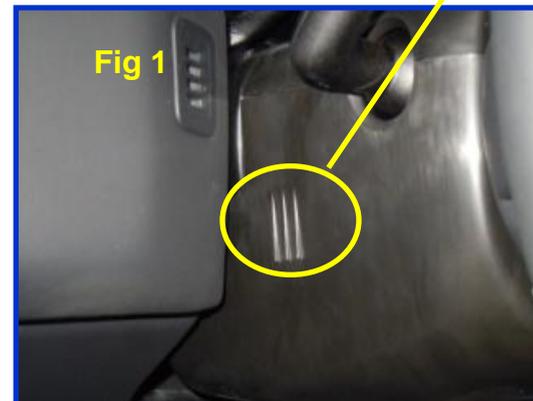
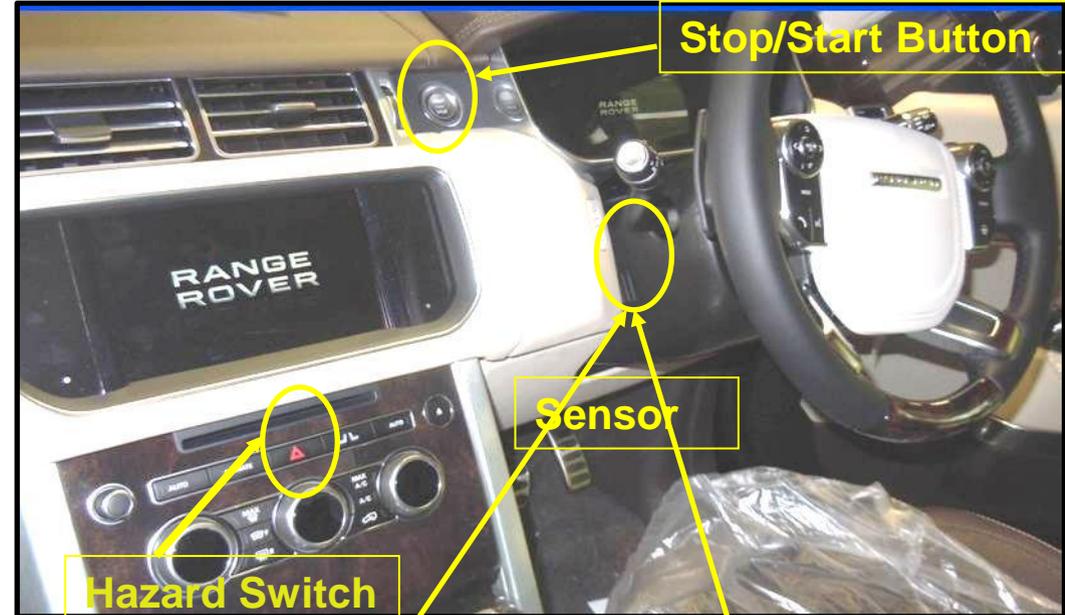
3 Press START / STOP button – fascia display will read “Smart Key Not Found”

4 Hold the smart key against the sensor on the left-hand side of steering column (marked with three lines figs 1 & 2 ) orientation as shown in fig 2 with silver strip facing towards rear of vehicle

5 With brake pedal depressed, press and release the START / STOP button.

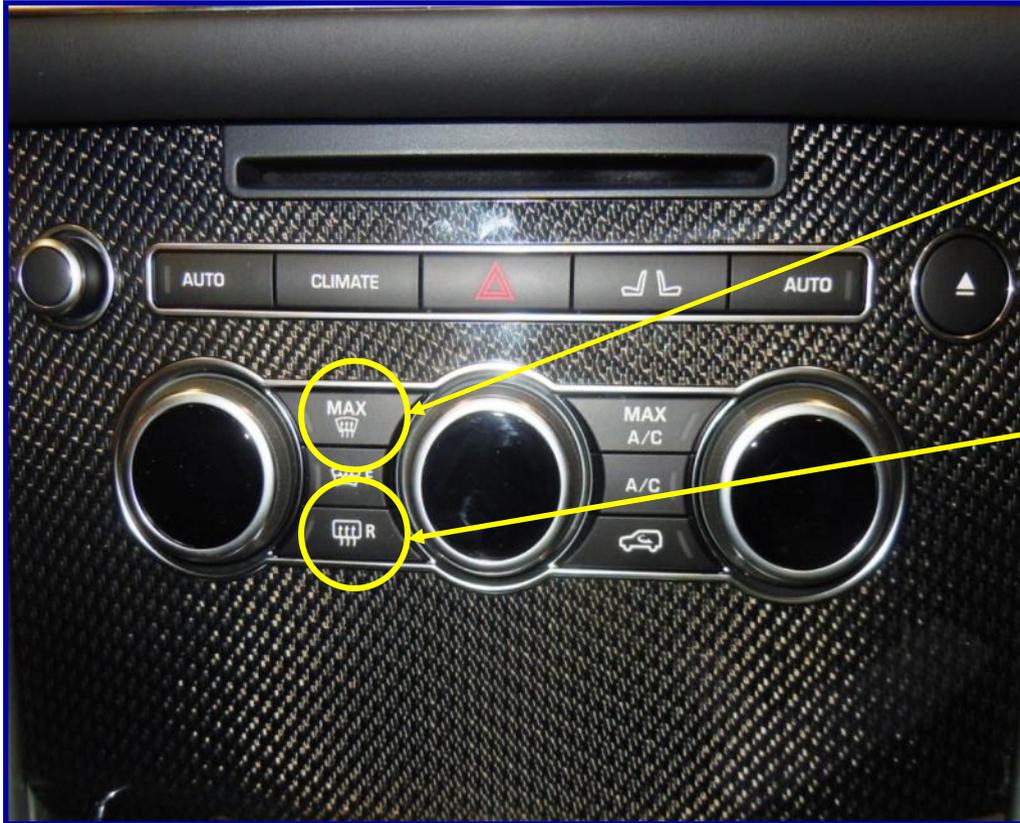
6 Press again to stop the engine.

**Should the vehicle not start, repeat the above process.**



# Driver Controls

## Front and Rear Screen Defrost



Rear screen heater: Press to switch on/off.

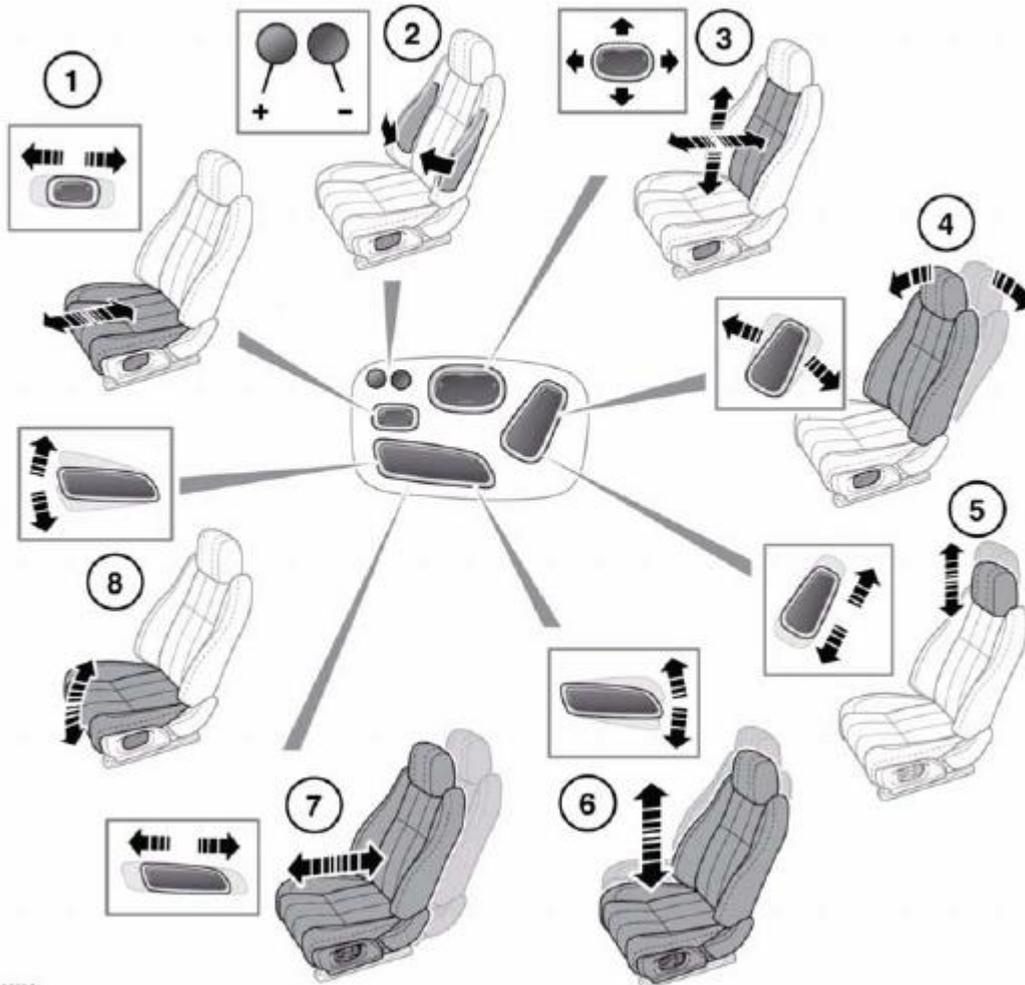
Max Defrost: Press to remove frost or heavy misting from the windscreen.

*This setting activates the blowers, air-conditioning, front and rear screen heaters and prohibits recirculation, to achieve a rapid defrost*

Rear screen heater: Press to switch on/off.

**Max Defrost must be used, as front screen heater is disabled in transit mode**

### ELECTRIC SEATS



Do not adjust the seat while the vehicle is moving. Doing so could cause loss of vehicle control and personal injury.

1. Cushion length.
2. Bolster inflate/deflate.
3. Lumbar support.
4. Seat back angle.
5. Head restraint height.
6. Seat height.
7. Forward and rearward position.
8. Cushion tilt.

To adjust the seats, the Smart Key must be in the vehicle and the ignition switched on.

**Note: Entry level variants may have manual adjustment**

The Drive Selector can be operated using the instructions below

The brake pedal must be depressed before the selector can be moved from the Park position. Maintain brake pressure until a 'gear' is selected.

The button at the rear of the drive selector (fig 1) has to be depressed when selecting a gear

Select "D" for forward travel by pulling the selector towards the rear of the vehicle

Select "R" for reverse travel by pushing the selector towards the front of the vehicle

Select P before switching off the engine by pressing the small button at the top of the selector

A small light will appear on the selector when P/R/N/D/S is selected, to indicate the option chosen

**Caution: If the vehicle is placed into "R" or "D" with footbrake applied, and the drivers door is opened, the vehicle will transfer to "P", and audible / visible warnings will be triggered.**



# Driver Controls

## Drive Selector



### Please Note:

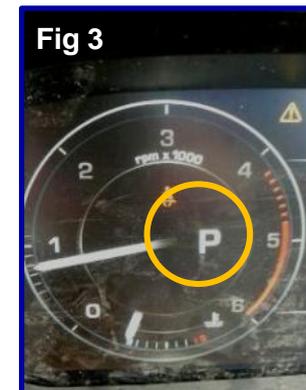
If the drive selector is left in N (Neutral) and the engine is turned off, the vehicle will remain in neutral gear until it powers down (after approximately 15 – 20 seconds) This is to allow the vehicle to be towed if required.

**The transmission will not automatically revert to P (Park) until the vehicle powers down, which presents a risk that the vehicle could roll, if it is not secured. Always check the drive selector and the drivers display to confirm which gear the vehicle is in.**

The letter N will remain lit in the drivers display panel (fig 1), and on the drive selector (fig 2), until the vehicle powers down.

To select P when the engine is turned off and before the vehicle powers down, the P button on the selector must be used. Once P is selected, it will be indicated by a light on the drivers display panel (fig 3), and will also be indicated by a light on the drive selector (fig 4).

When the vehicle has powered down, P is automatically selected. When the vehicle is started up, P will automatically be engaged.



Data Owner: Chris Mcloughlin

Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

### *Parking Brake Release*

While the transit relay is installed, the parking brake will only release using the following procedure:

- 1 Switch the ignition on and wait 5 seconds.
- 2 Apply the foot brake and hold.
- 3 Lift the parking brake switch to apply.
- 4 Press the parking brake switch to release.



The red warning indicator in the instrument pack will illuminate when parking brake has been applied.

### **Releasing**

- With the ignition on, apply the foot brake and press down on the parking brake lever.
- If the vehicle is stationary with the parking brake applied and either **Drive** or **Reverse** selected, pressing the accelerator will automatically release the parking brake.



**Some controls are optional and therefore will not be present in all vehicles.**

**Vehicles will have limited functionality whilst in transport mode.**

**Functions Disabled When Vehicle is in Transit Mode Include:**

- **Passive entry / Passive Start**
- **Front Electric Heated screen (use max defrost)**
- **Heated Seats / Park Heat**
- **Infotainment**
- **Alarm functions**

**For Information:**

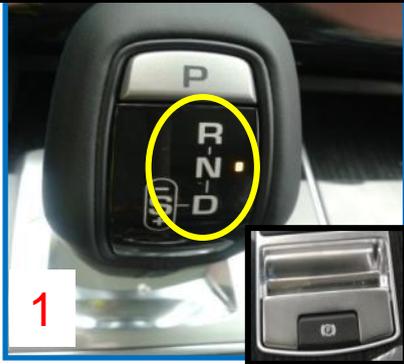
- **Doors and Tailgate locked down (except drivers door)**
- **Speed limited to 26mph / 42kph**

# Driver Controls

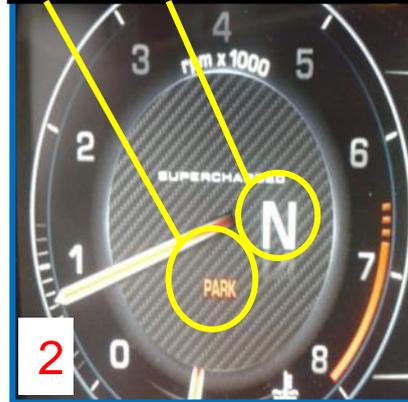
## Range L494 Loading Configuration



Ensure Electronic Park Brake applied before selecting N



Park and N will illuminate



Select Low Range - button will illuminate



Select Hill Decent Control HDC - button will not illuminate



To engage "S" select "D" and move gear shift to the left selection will illuminate on the gear selector



Check that S1, Hill Descent and Low Range Indicators are illuminated on Dash Board



Release Electric Park Brake



**Note1: On some variants Hill Descent is automatically selected when low range is engaged. If Hill Descent does not automatically engage use HDC button (Fig 4) and check that HDC is illuminated on the Dashboard.**  
**Note 2: On entry level V6 derivatives Low range is an option only**

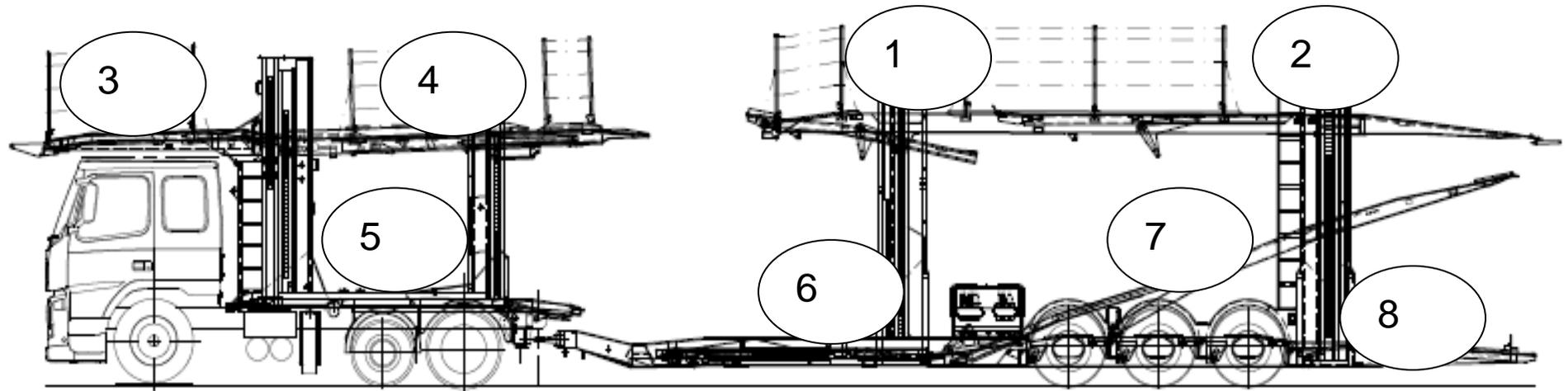


# Road Transporter Schematics

# Road Transporter Schematics



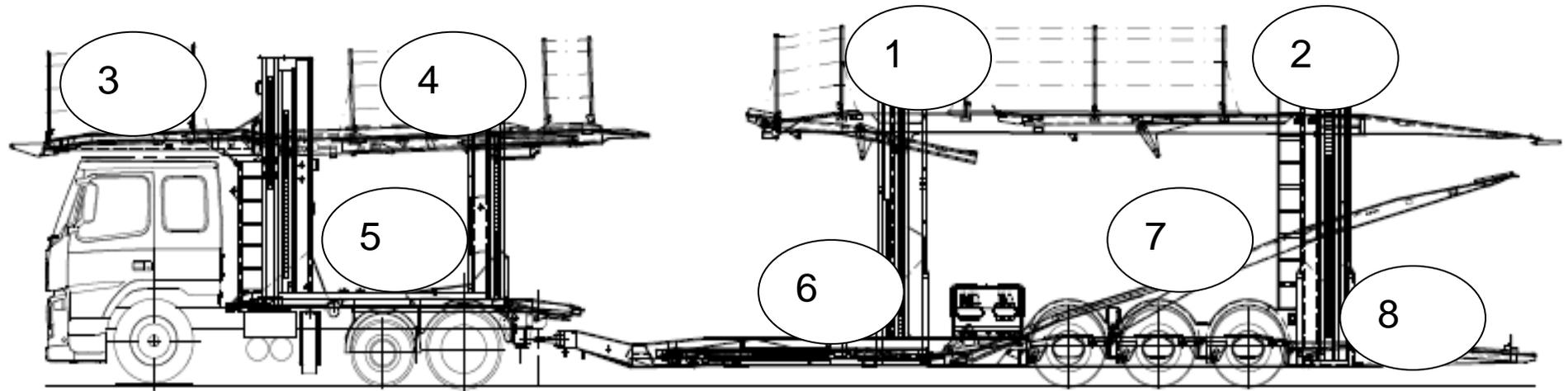
## Transporter Engineering 11+ Mk2 ( ECM Modified)



		<b>L494</b>		
Position	Load Direction		Pass (P) or Fail (F)	
1	Forwards	Reversed	P	F
2	Forwards	Reversed	P	F
3	Forwards	Reversed	P	F
4	Forwards	Reversed	P	F
5	Forwards	Reversed	P	F
6	Forwards	Reversed	P	F
7	Forwards	Reversed	P	F
8	Forwards	Reversed	F	F

# Road Transporter Schematics

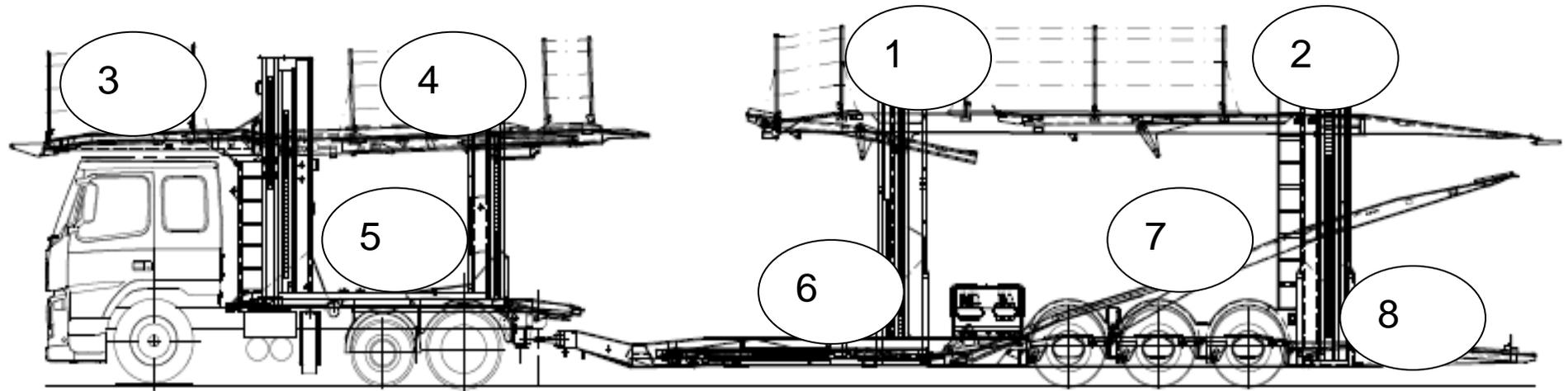
## Transporter Engineering 11+ Mk2



			<b>L494</b>	
Position	Load Direction		Pass (P) or Fail (F)	
1	Forwards	Reversed	<b>P</b>	<b>F</b>
2	Forwards	Reversed	<b>P</b>	<b>F</b>
3	Forwards	Reversed	<b>F</b>	<b>F</b>
4	Forwards	Reversed	<b>F</b>	<b>F</b>
5	Forwards	Reversed	<b>F</b>	<b>F</b>
6	Forwards	Reversed	<b>F</b>	<b>F</b>
7	Forwards	Reversed	<b>F</b>	<b>F</b>
8	Forwards	Reversed	<b>F</b>	<b>F</b>
9	Forwards	Reversed	<b>F</b>	<b>F</b>

# Road Transporter Schematics

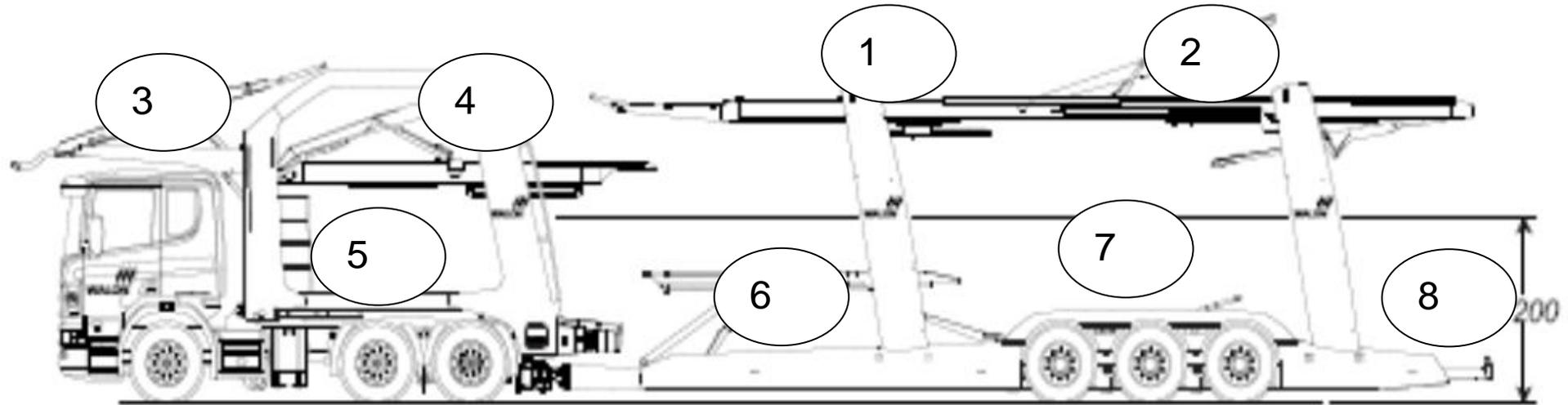
## Transporter Engineering 12+



			<b>L494</b>	
Position	Load Direction		Pass (P) or Fail (F)	
1	Forwards	Reversed	<b>P</b>	<b>F</b>
2	Forwards	Reversed	<b>P</b>	<b>F</b>
3	Forwards	Reversed	<b>F</b>	<b>F</b>
4	Forwards	Reversed	<b>F</b>	<b>F</b>
5	Forwards	Reversed	<b>F</b>	<b>F</b>
6	Forwards	Reversed	<b>F</b>	<b>F</b>
7	Forwards	Reversed	<b>F</b>	<b>F</b>
8	Forwards	Reversed	<b>F</b>	<b>F</b>
9	Forwards	Reversed	<b>F</b>	<b>F</b>

# Road Transporter Schematics

## LOHR E.H.R. 300



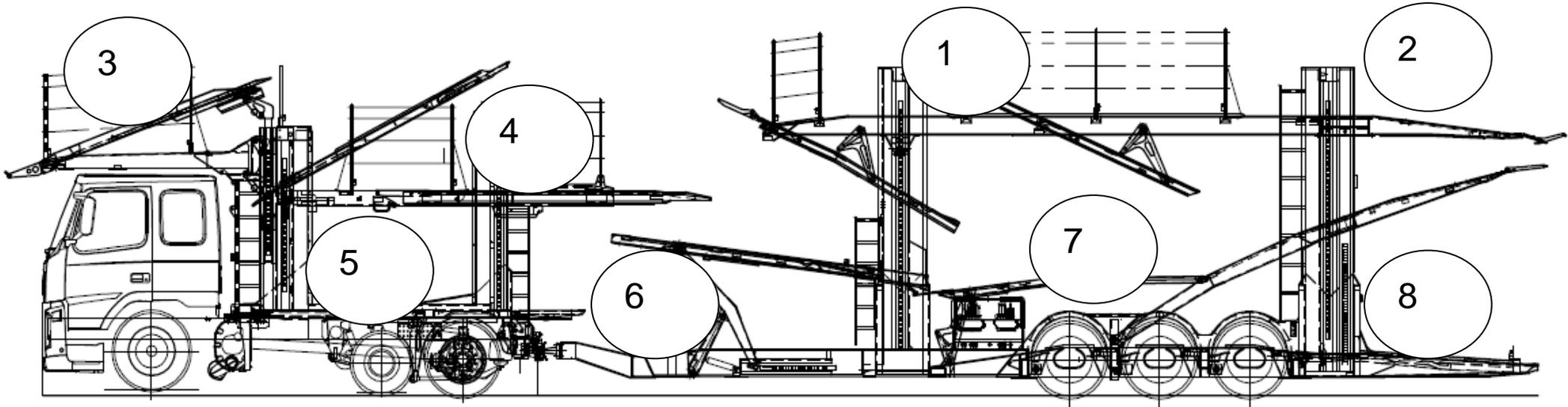
		<b>L494</b>		
Position	Load Direction		Pass (P) or Fail (F)	
1	Forwards	Reversed	<b>P</b>	<b>F</b>
2	Forwards	Reversed	<b>P</b>	<b>F</b>
3	Forwards	Reversed	<b>P</b>	<b>F</b>
4	Forwards	Reversed	<b>P</b>	<b>F</b>
5	Forwards	Reversed	<b>P*</b>	<b>F</b>
6	Forwards	Reversed	<b>P*</b>	<b>F</b>
7	Forwards	Reversed	<b>P*</b>	<b>F</b>
8	Forwards	Reversed	<b>F</b>	<b>F</b>

} \*With riser plates

# Road Transporter Schematics



## Transporter Engineering EVO 5

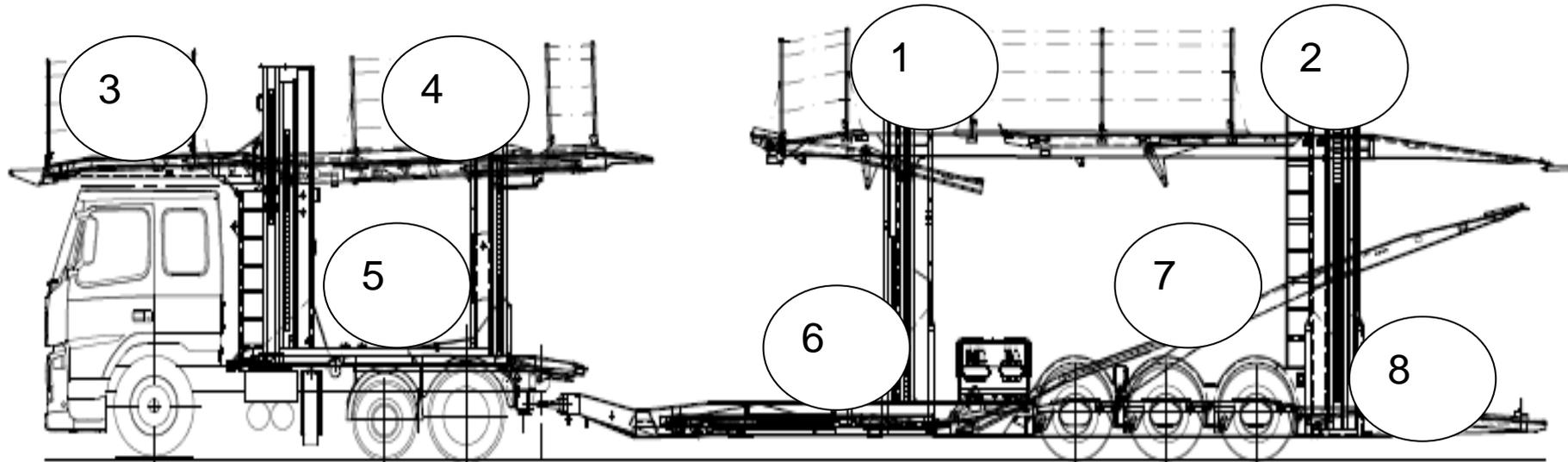


			<b>L494</b>	
Position	Load Direction		Pass (P) or Fail (F)	
1	Forwards	Reversed	<b>P</b>	<b>F</b>
2	Forwards	Reversed	<b>P</b>	<b>F</b>
3	Forwards	Reversed	<b>P</b>	<b>F</b>
4	Forwards	Reversed	<b>P</b>	<b>F</b>
5	Forwards	Reversed	<b>P</b>	<b>F</b>
6	Forwards	Reversed	<b>P</b>	<b>F</b>
7	Forwards	Reversed	<b>P</b>	<b>F</b>
8	Forwards	Reversed	<b>F</b>	<b>F</b>

# Road Transporter Schematics



## Transporter Engineering EVO 3 / 4

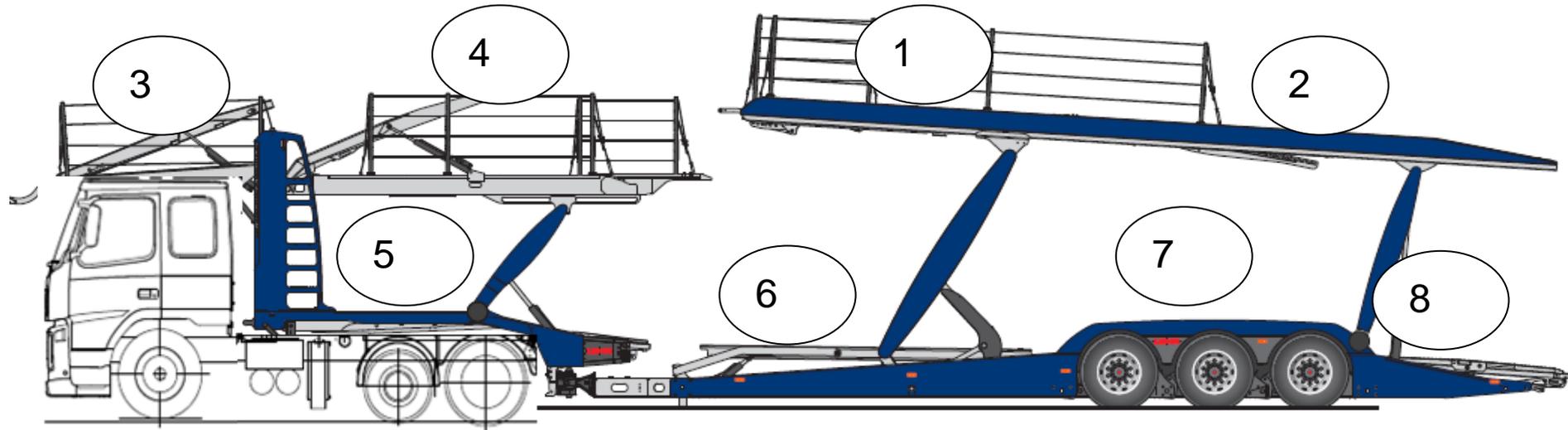


Position	Load Direction		L494	
			Pass (P) or Fail (F)	
1	Forwards	Reversed	P	F
2	Forwards	Reversed	P	F
3	Forwards	Reversed	P*	F
4	Forwards	Reversed	P	F
5	Forwards	Reversed	P*	F
6	Forwards	Reversed	P*	F
7	Forwards	Reversed	P*	F
8	Forwards	Reversed	F	F

} \*With riser plates

# Road Transporter Schematics

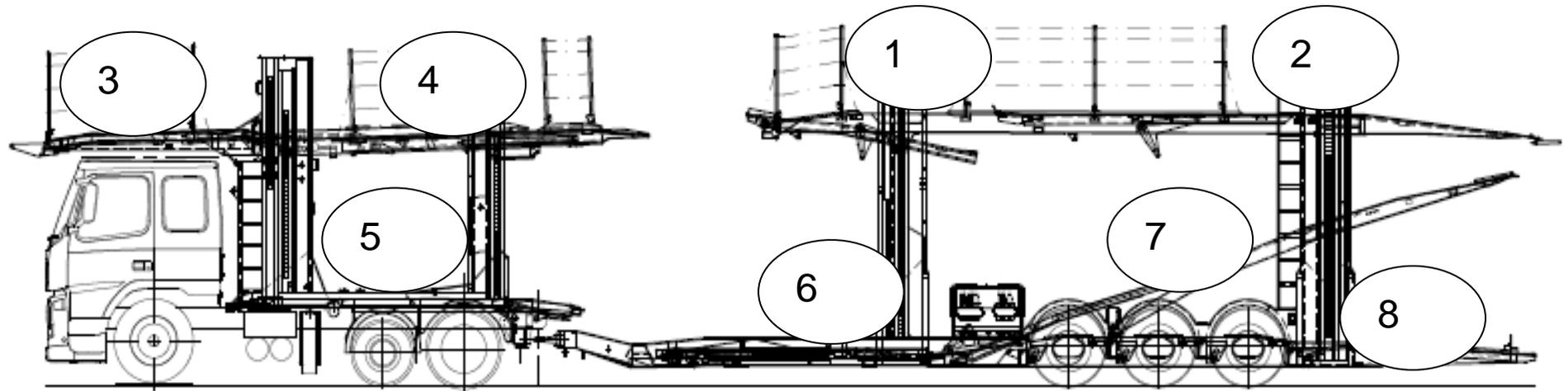
## LOHR E.H.R. 300 UKW



Position	Load Direction		L494	
			Pass (P) or Fail (F)	Pass (P) or Fail (F)
1	Forwards	Reversed	P	F
2	Forwards	Reversed	P	F
3	Forwards	Reversed	P	F
4	Forwards	Reversed	P	F
5	Forwards	Reversed	P	F
6	Forwards	Reversed	P	F
7	Forwards	Reversed	P	F
8	Forwards	Reversed	F	F

# Road Transporter Schematics

BelleRolfo



			L494	
Position	Load Direction		Pass (P) or Fail (F)	
1	Forwards	Reversed	P	F
2	Forwards	Reversed	P	F
3	Forwards	Reversed	P	F
4	Forwards	Reversed	P	F
5	Forwards	Reversed	P*	F
6	Forwards	Reversed	P	F
7	Forwards	Reversed	P	F
8	Forwards	Reversed	F	F

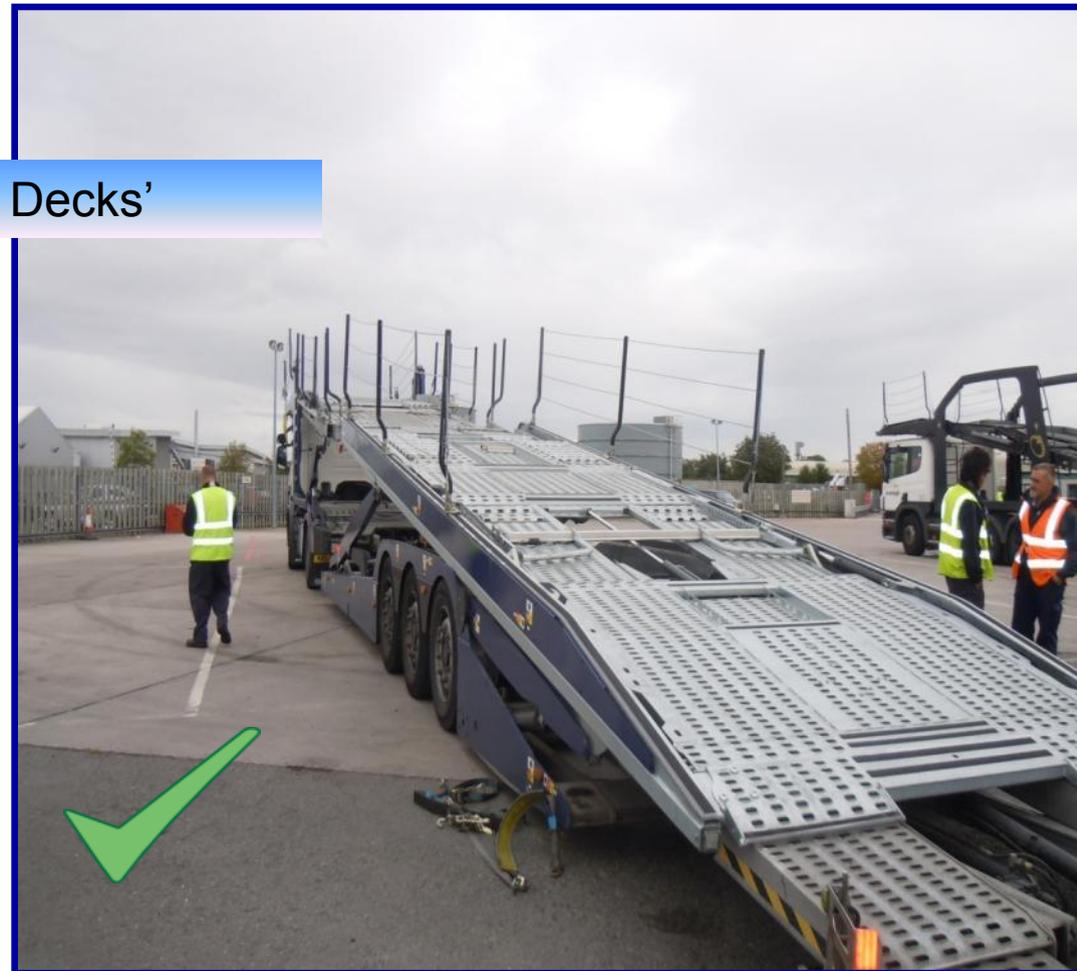
\*With riser plates

# Road Transport

## Care Points Damage Prevention



'Clear the Decks'



Prior To Loading/unloading ensure decks are free and clear from straps/hooks and equipment

**Loose Hooks/Straps/Equipment Damage Wheels/Vehicles**

# Road Transport

## Care Points Damage Prevention



Ensure that ramps are fully extended prior to loading and unloading vehicles.



Ensure that any modifications available (e.g. riser plates) are used.

# Road Transport Care Points Damage Prevention



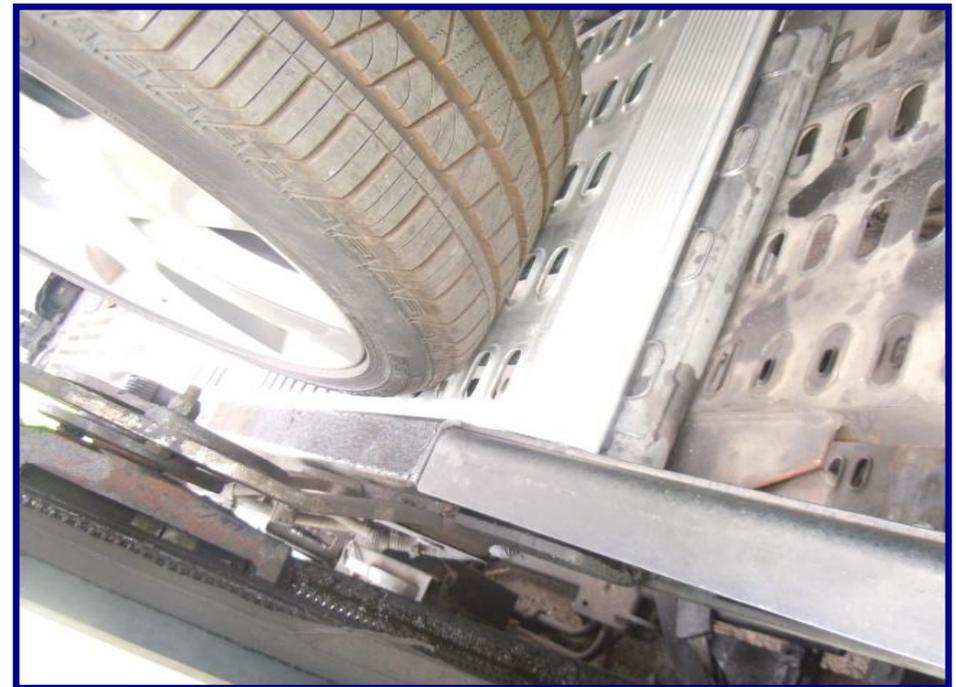
Vehicle must be loaded / unloaded at crawl speed, in a slow and controlled manner (5mph max.)

# Road Transport

## Care Points



Care required whilst loading vehicles check when required during loading to prevent damage.



Care is required when loading through areas of transporters with restricted width.

**Data Owner: Chris Mcloughlin**

Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

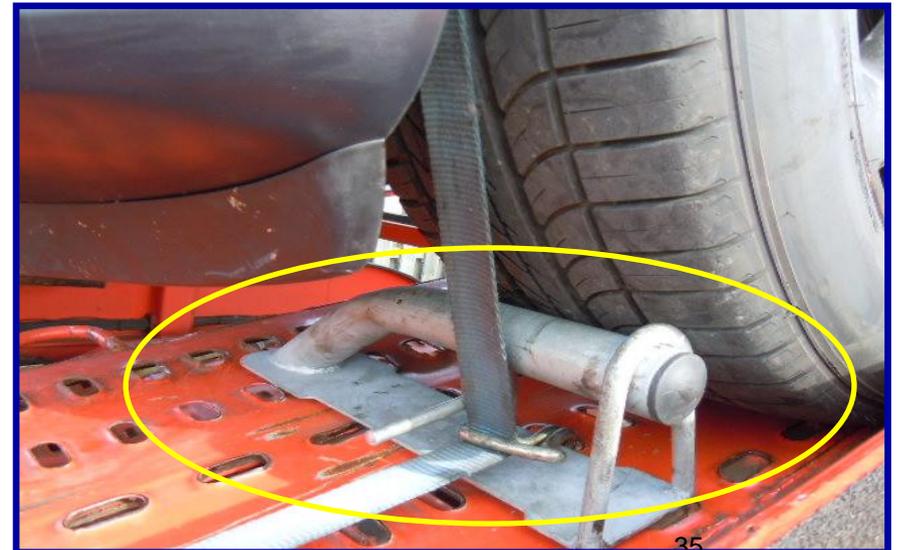
# Road Transport

## Care Points



Care required whilst entering and exiting vehicles i.e. door contact on transporter beams and pillars.

Over-wheel lashing only, and chocks are used to secure vehicle in position.



# Section 7 – Vessel Transport

## Loading and Unloading



Care required when loading and unloading onto the vessel and decks. Vehicle must be loaded / unloaded at crawl speed, in a slow and controlled manner (5mph max.)

**Data Owner: Chris Mcloughlin**

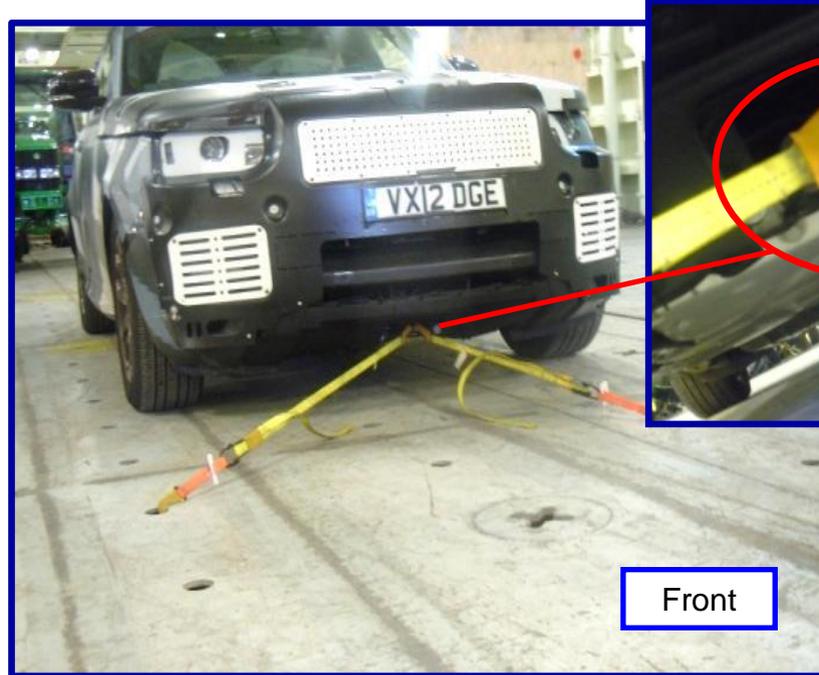
Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

# Vessel Transport

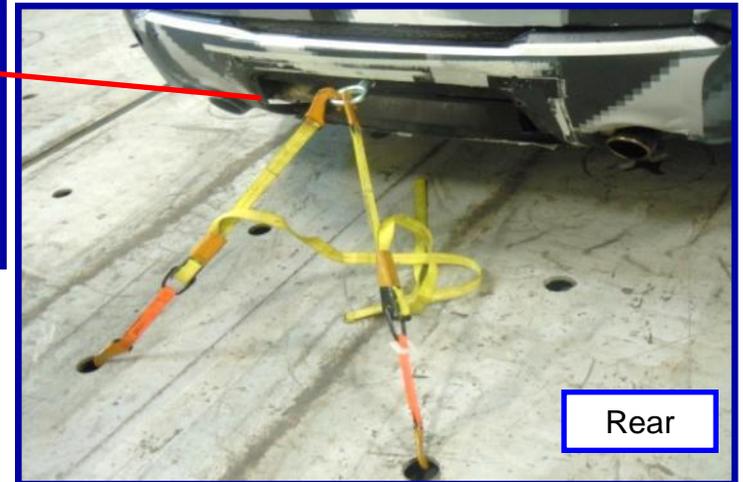
## Lashing – Stem to Stern Stowage



Front



Rear



Rear

If stowed stem to stern, each vehicle should have a minimum of **2 lashings** at the front and two at the rear.

**LASHING THROUGH ALLOY WHEELS IS NOT ALLOWED**

Data Owner: Chris Mcloughlin

Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

# Vessel Transport



## Lashing – Traverse and Ramp Stowage



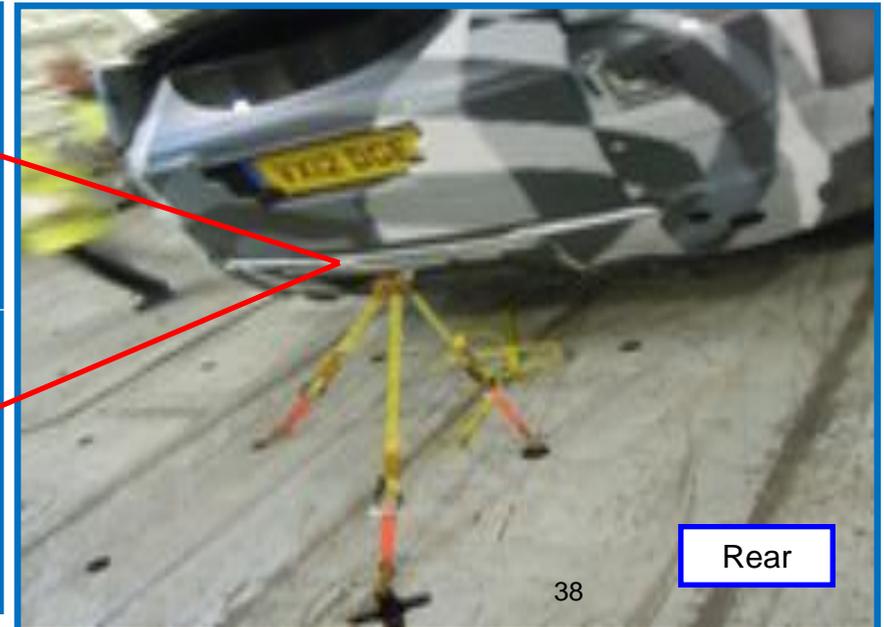
Front

If stowed transversely or on a ramp, each vehicle should have **3 lashings** plus wheel chocks at the front and the back.

**LASHING THROUGH ALLOY WHEELS IS NOT ALLOWED**



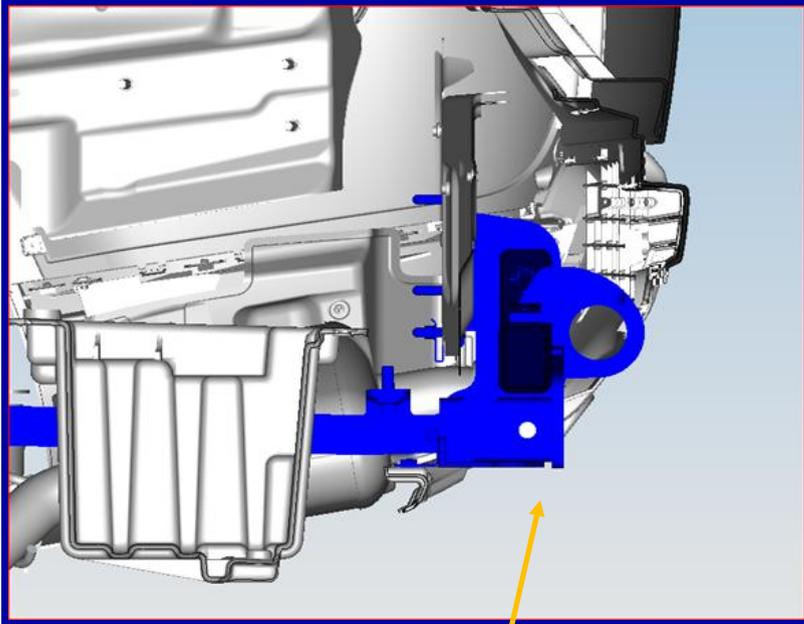
Rear



Rear

# Vessel Transport

## Rear Lashing Eyelet



L494 has an multi-height armature with integral rear lashing point, the rear lashing straps have to be attached to a lashing eye (fitted at manufacturing plant)

Towing Eye Screw In Type

**Data Owner: Chris Mcloughlin**

Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

# Section 8 - Containerisation

## Container Loading



- Vehicles need to be loaded / unloaded in a controlled, slow manner (5mph max)
- Vehicles must be free of bird liming / contamination
- Vehicles to be loaded into position using 2 people. One driver and one marshal.
- Prior to exiting the vehicle all lashing in angles need to be checked for clearance, by the marshal (this is a quality risk especially for ETO Spec Vehicles)
- Loading configurations to be determined as per loading schematics on pages 40-41
- Vehicles to be lashed in and secured as per process detailed in this handling guide & TQM (Chapter 6)
- Once loaded into position Keys to be placed in an envelope and secured underneath drivers' windscreen wiper, this will permit access to vehicle upon delivery and prevent keys being locked in vehicles.
- Drivers' window must be left opened by 1 inch / 25mm for ventilation during transport.
- Care required getting in and out of the vehicle once in container due to vehicle width and door opening restrictions.

**Data Owner: Chris Mcloughlin**

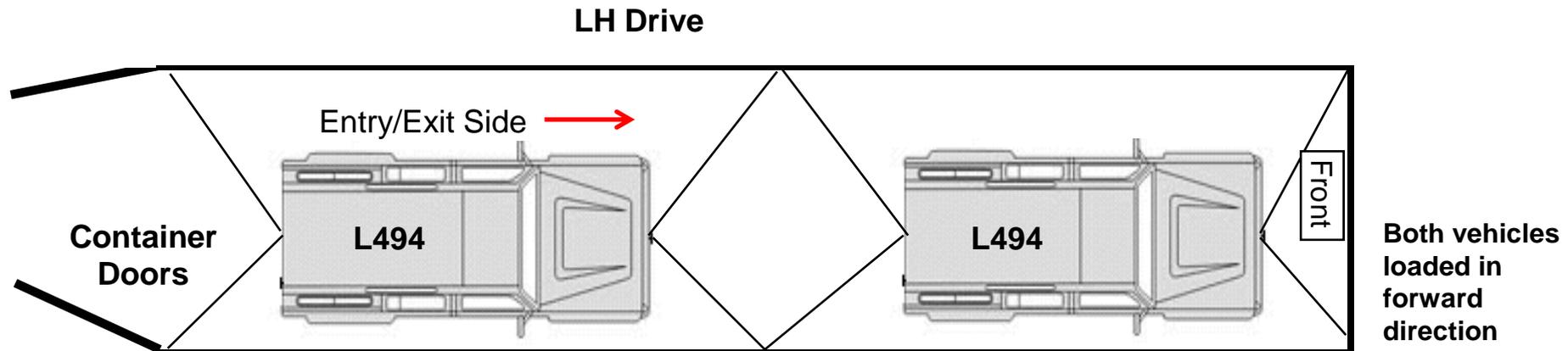
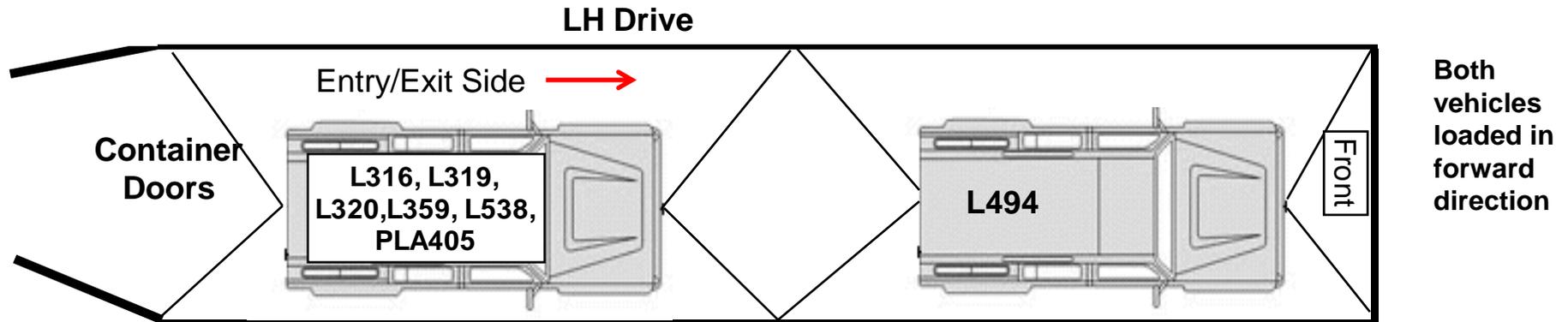
Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

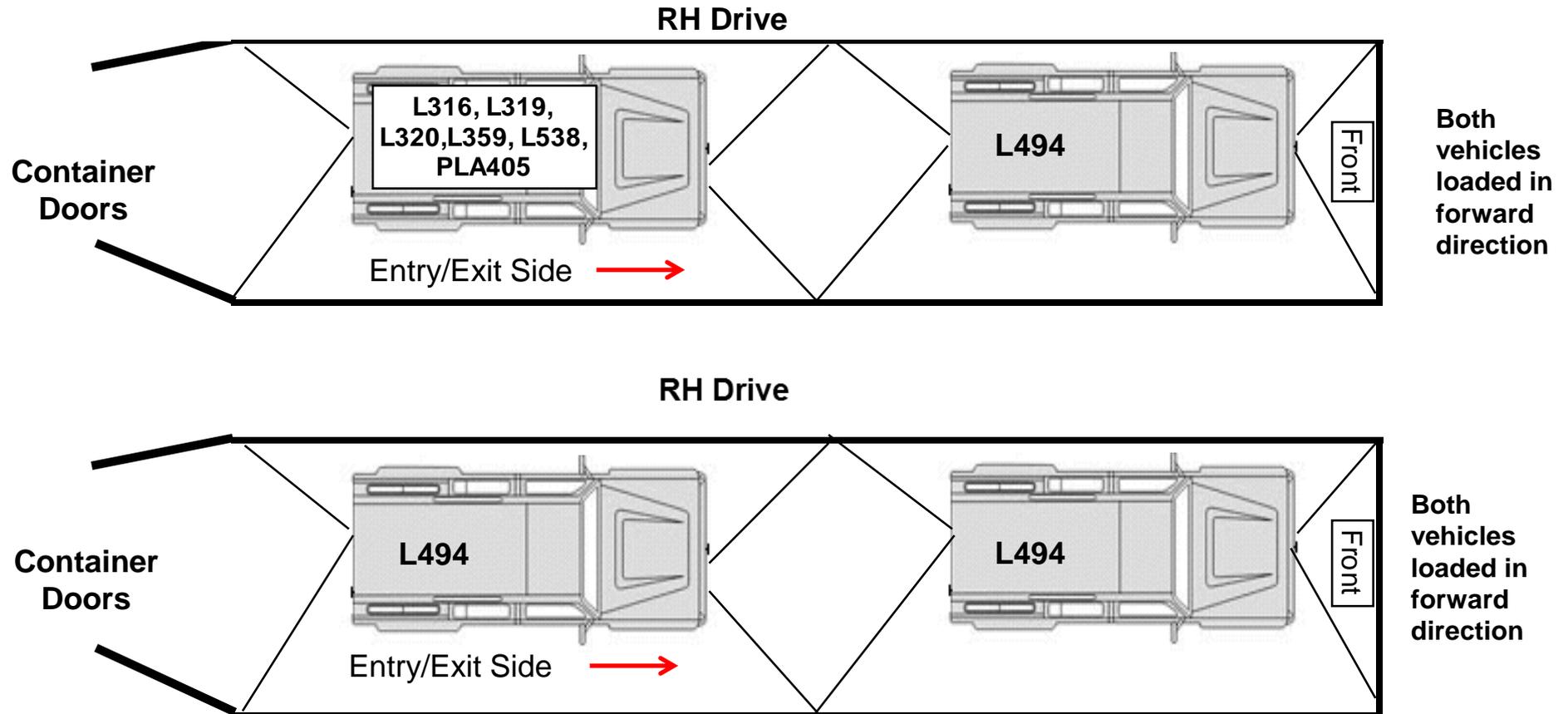
## Load Planning

### LH Drive Vehicles > LOADING SCHEMATICS



## Load Planning

### RH Drive Vehicles > LOADING SCHEMATICS





- Vehicles Must be loaded with a 2 man team (1 x marshal & 1 x driver), under the supervision and guidance of the loading Marshal
- Once Vehicle is in position prior to the driver getting out of the vehicle the marshal needs to ensure adequate clearance angles are checked so that lashing in straps will clear the bumper when attached to tow eye and pulled back to container tie in location. This needs to be done prior to lashing vehicle down fully.

ai

# Section 7 - Containerisation



## Loading



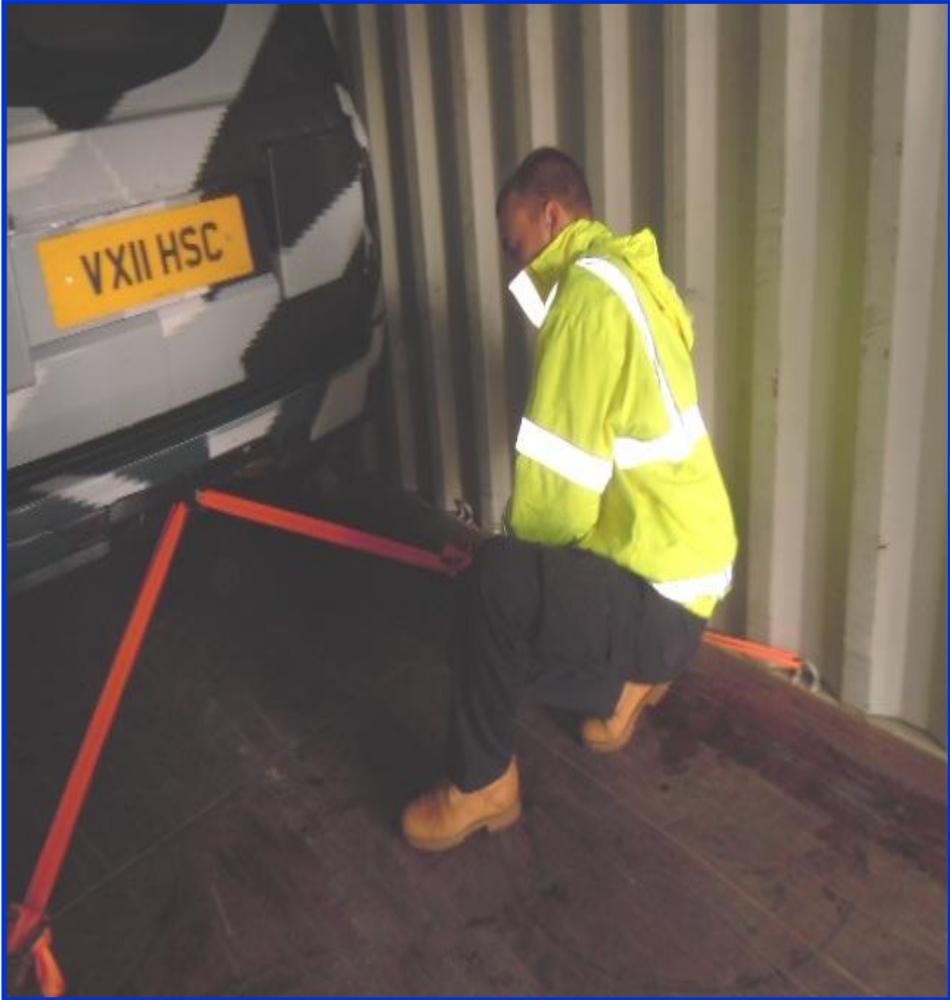
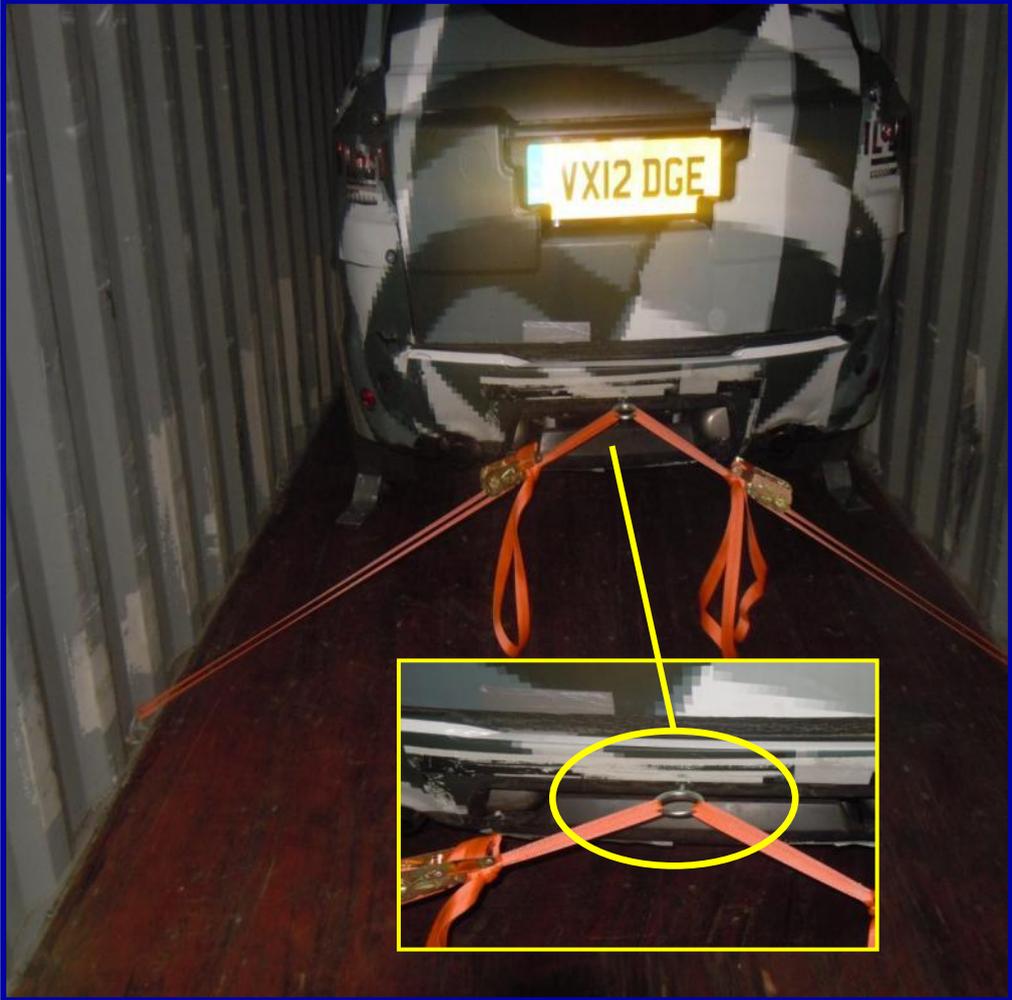
Extreme care is required when loading /unloading Containers due to space constraints.

Care required when getting in and out of the vehicle as the space is **extremely limited**

The use of a small step may assist getting in and out of the vehicle

# Containerisation

## Rear Lashing



Data Owner: Chris Mcloughlin

Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

# Containerisation

## Front Lashing



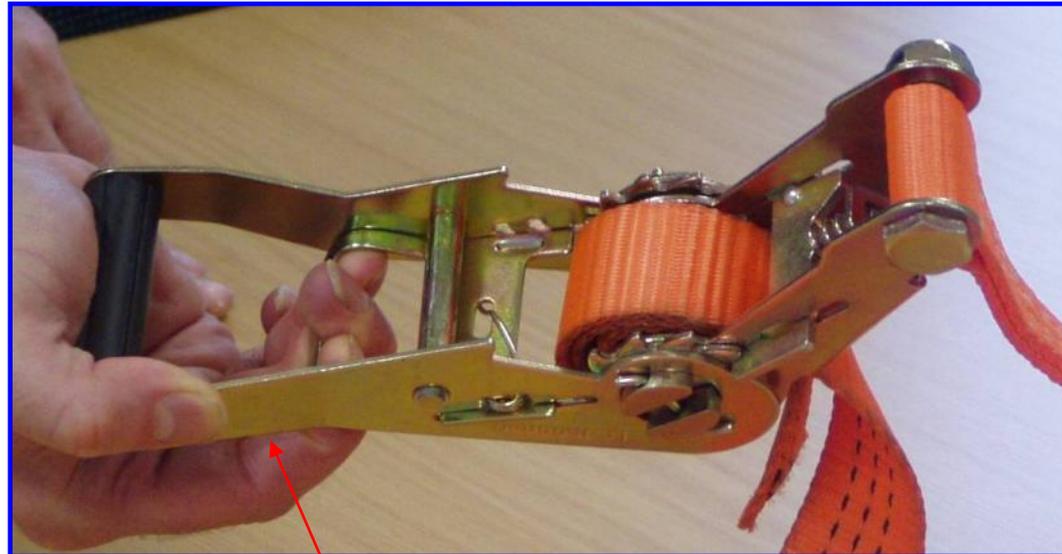
**Data Owner: Chris Mcloughlin**

Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

- Inspect Vehicles for damage once container door is opened
- Document and photo any damage found as per TQM process
- Unload the Vehicle as detailed in TQM Chapter 6.6

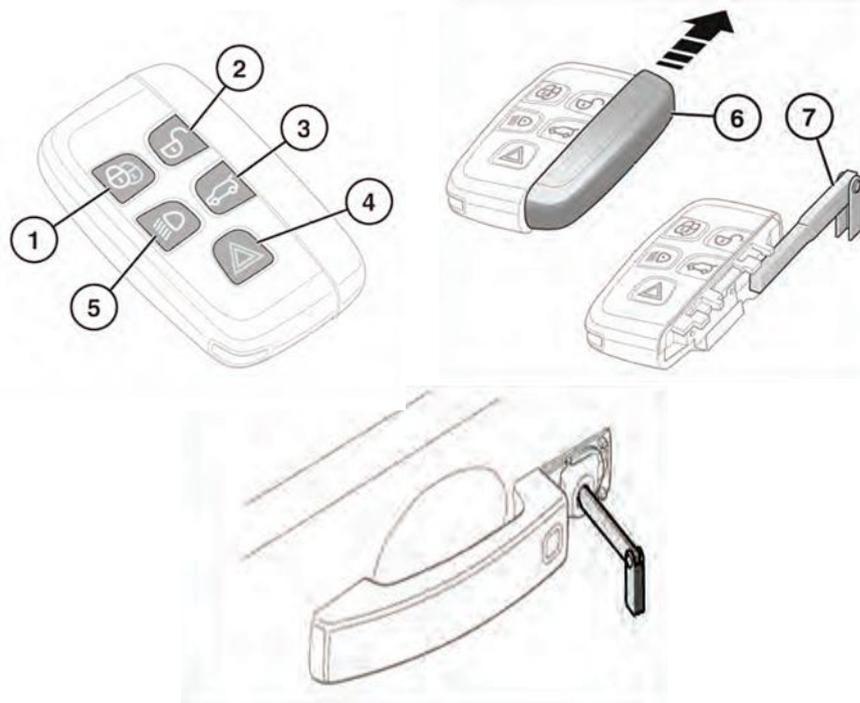


To release tension from lashing in straps pull on tension release mechanism as shown

# Section 9 – Appendix (i)



## Key Fob - Opening and Locking the Vehicle



- 1.Lock 2.Unlock 3. Tailgate Release 4. Panic Alarm 5. Approach Lighting 6. Emergency Key Access 7. Remove blade

### Locking the Vehicle

Once engine / ignition is turned off, vehicle can be locked with key fob (key fob must be outside the vehicle) within approx. 15 - 20 seconds.

### Unlocking the Vehicle

When there is no power to the vehicle, the key blade is required to gain access.

Remove the blade as indicated. On the **DRIVERS DOOR** insert the blade and turn towards the rear of the vehicle.

Upon entry the battery can be activated by pressing the hazard switch. Keys should be stowed in driver's door pocket as per TQM

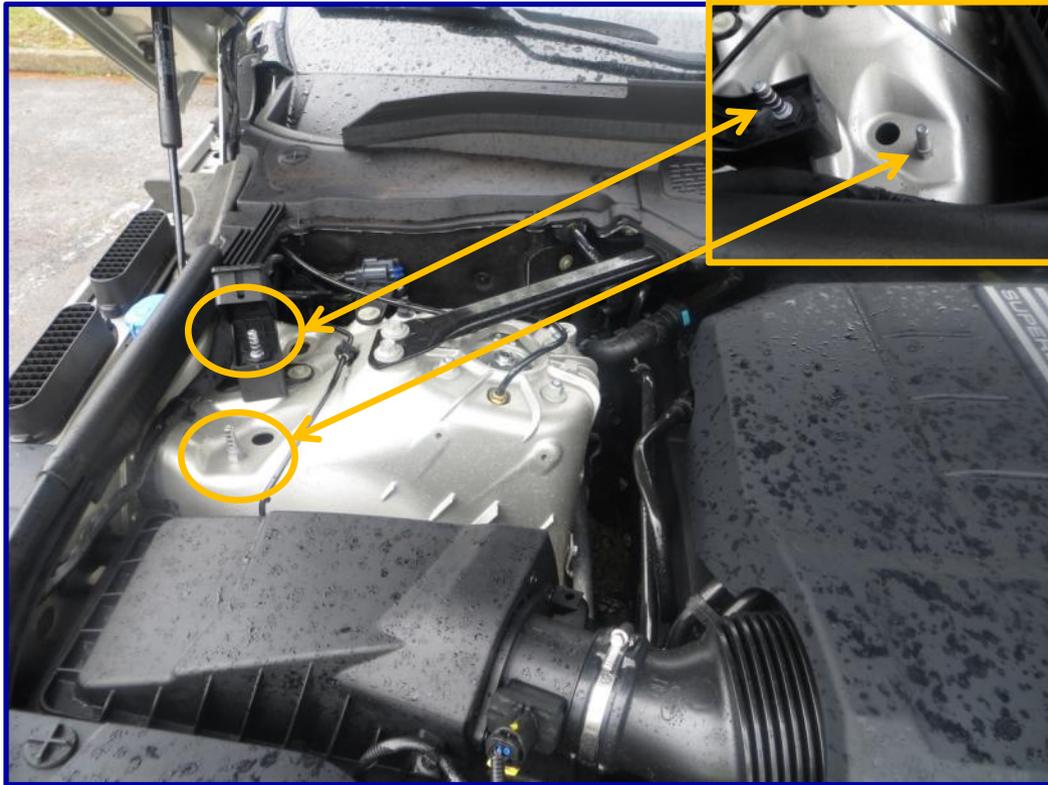
### Caution

If the vehicle security system is armed, only the front left hand door will unlock. The alarm will sound when the door is opened. Press the unlock button on the Smart Key to disarm the alarm or press the START/STOP button.

# Appendix (ii) Flat Battery -



## Connecting a starting aid or a slave battery/power source



If the battery is flat, it may be possible to start the vehicle with a starting aid or a slave battery, using the method highlighted below.

If this process is followed and the vehicle is unresponsive, please contact JLR immediately for technical support

### CONNECTING A STARTING AID

#### WARNING

 Do not connect the starting aid to any battery terminal on your vehicle. Doing so may cause a spark, which can result in an explosion. It may also result in damage to the charging system.

To start the vehicle using a starting aid or a slave battery, follow the instructions in the sequence given.

1. Connect the positive (Red) cable to the positive terminal of the disabled vehicle.
2. Connect the negative (Black) cable to the negative terminal of the disabled vehicle.
3. Connect/switch on the starting aid.
4. Start the engine and allow it to idle.
5. Disconnect/switch off the starting aid.
6. Disconnect the negative (Black) cable from the negative terminal of the vehicle.
7. Disconnect the positive (Red) cable from the positive terminal of the vehicle.

Data Owner: Chris Mcloughlin

Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

### L494 Automatic Transmission Removal From Park

- *When should this process be used?*

The process should be used to release the transmission from Park to allow vehicle recovery when normal methods are unavailable due to engine, power supply or transmission failure. Risk assessment for any Health & Safety risks/hazards should be carried out prior to using this process. It is recommended that this process is carried out by trained professional recovery operatives.

- *What should I try before starting this process?*

Try to enter transmission service mode. This is attempted by turning the ignition on then keeping the brake pedal and the upshift paddle held for over 10 seconds. This should allow N to be selected by moving the selector out of the P position.

- **Caution:** *Mandatory precautions needed before using this process*

The vehicle should be secured so that when moving the transmission out of park it will not move. The parking brake should be in the applied position or wheel chocks used. The engine should not be running.

# Emergency Park Release (EPR)



**Slide back cup-holder cover**



**Release catch on red lever**



**Move lever forward then back and upwards to open position**



**Vehicle is moved from Park to Neutral**

## Restoring Vehicle to Normal Condition

- Components should be refitted in reverse order.
- The vehicle should be secured by the parking brake or other method when refitting the components. The engine should not be running.

### Methods of releasing the EPB when in stuck applied

Vehicle EPB is fully electronic (No cables) therefore alternative manual release process needs to be followed if preferred option 1 not possible.

Risk assessment for any Health & Safety risks/hazards should be carried out prior to using this process.

It is recommended that this process is carried out by trained professional recovery operatives.

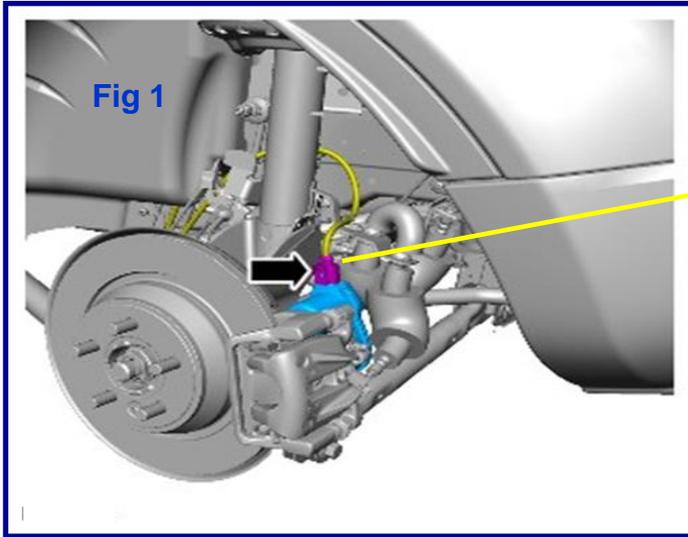
**Option 1 IDS (Diagnostic System)** laptop puts vehicle into maintenance/service mode.

- EPB can be taken off via SAT nav screen inside the vehicle. (Vehicle Must have electric power) Go to Menu/Brake/Handbrake/EPB Release
- Once done apply footbrake to re calibrate.

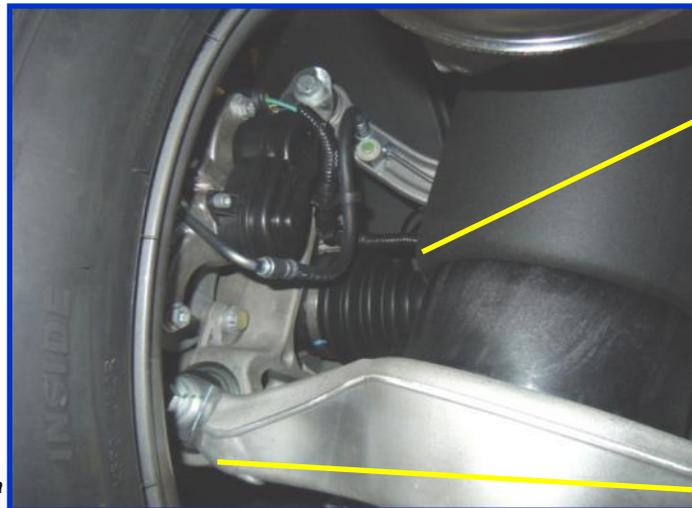
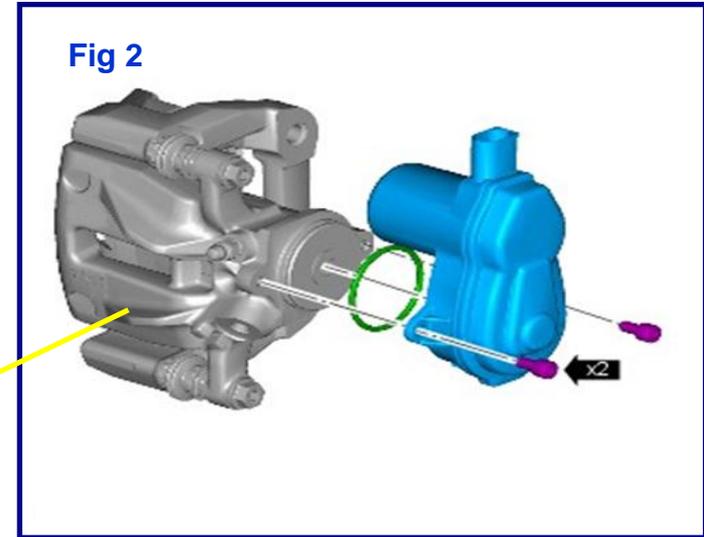
**Option 2 Manual Release for EPB on Rear Calliper**

- Remove x 2 bolts from actuator housing (Torx T30 fastenings)
- Remove the actuator and the O- ring set
- Insert Allen key and turn anticlockwise to wind release brake from pad.
- (Illustration on page 41)

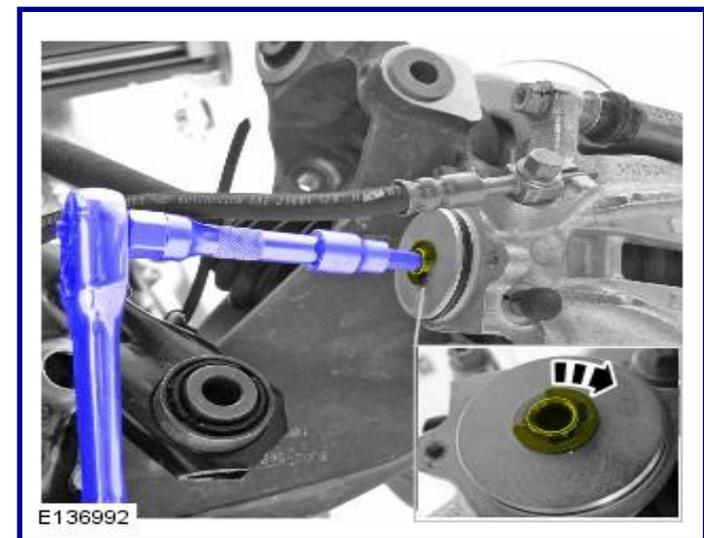
# Emergency Park Brake (EPB) Release



Disconnect the battery ground cable



Manual release. This involves removing the electric motor / actuator (2 Torx T30 screws figs 1 & 2) and O-ring set, and winding back the piston manually, using an Allen key.



Rear Wheel

## Data

Record Type: Transient Issue 1

Issue Date: May 13th 2013

JLR-RMP Item Number:35.05

## Re-Fuelling the Vehicle

### Minimum Re-Fuelling Level

If the vehicle does run out of fuel, a minimum of **9 litres** will be required to prime the system in order to restart the engine.

The vehicle receives **20 litres of diesel / 25 Litres** of petrol at manufacturing fueling point. This should suffice for outbound distribution, however if emergency re-fuelling is required please ensure a minimum of **9 litres** is added and correct fuel type is used.

**Note:** The filler flap will only be locked **closed** when the vehicle is centrally locked.

### DIESEL MISFUELLING PROTECTION DEVICE

When the mis-fuelling device is activated, it may cause fuel to be discharged from the filler neck.

**Note:** It is the driver's responsibility to fill the vehicle with the correct fuel. The diesel mis-fuelling protection device only reduces the risk of filling the vehicle with the incorrect fuel

The filler spout on some fuel cans and older fuel pumps may trigger the mis-fuelling device. which will need resetting before further fuel can be put into vehicle

### FUEL FILLER FLAP



Take note of all warnings and instructions given on the label affixed to the inside of the filler flap.

The fuel filler flap is located on the right side of the vehicle, at the rear.

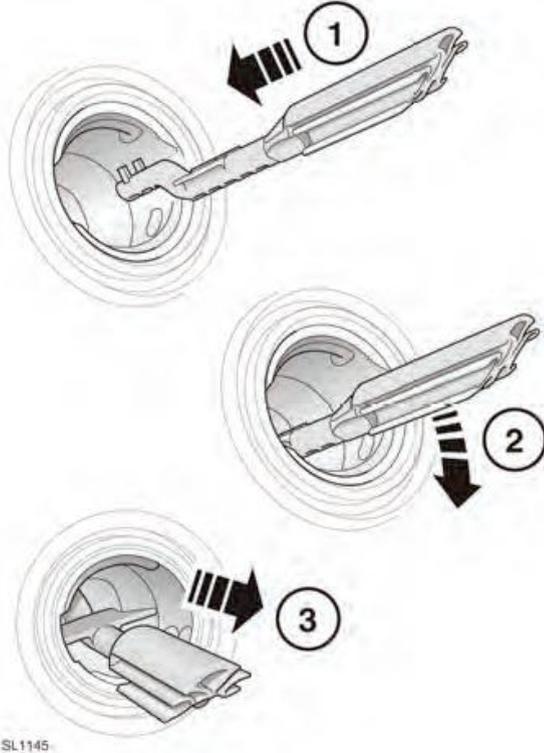
1. Ensure that the vehicle is fully unlocked and press the left side of the flap to unlatch it.
2. Open the flap fully.
3. Twist the cap counter-clockwise to release.
4. Use the retaining clip to keep the filler cap out of the way while fuelling.
5. After refuelling, tighten the cap until it clicks 3 times. Close the filler flap and push until it is latched shut.

# Appendix (v)

## Re-Fuelling the Vehicle



The reset tool is located in the luggage compartment.



Reset the mis-fuel protection device as follows:

1. Insert the reset tool with the teeth uppermost, as far as it will go into the filler neck.
2. Locate the teeth by pushing down the top of the reset tool.
3. With the top of the tool pressed down and the teeth engaged, slowly pull the tool out of the filler neck to reset the device.

Do not twist the device, once the teeth have engaged.

**Note:** The yellow part of the protection device should no longer be visible in the filler neck.

Return the reset tool to the luggage compartment

### FUEL SPECIFICATION

Diesel vehicles in Algeria, Egypt, Libya, Morocco, India, Pakistan and Tunisia must only use premium diesel fuel.

Petrol	Diesel
91-98 RON	EN 590